

Technical Data Sheet

General-Purpose Epoxy Vinyl Ester Resin VE711

Introduction

VE711 is a premium standard Bisphenol-A type epoxy vinyl ester resin. It provides resistance to a wide range of acids, alkalis, bleaches and solvents used in many chemical processing industry applications.

Properties of Liquid Resin

Projects	Value
Appearance	Light yellow liquid
Viscosity ¹ (cPs, 25°C)	250-450
Solids Content (%)	52-58

- Note: 1. Test equipment: Brookfield #63@60rpm
 2. Typical property values only, not to be construed as specifications.
 3. Unopened drum with no additives, promoters, accelerators, etc. added.

Properties of Resin Casting Bodies (for reference)

Projects	Measured value	Test method
Barcol Hardness	38-42	Barcol 934-1
Heat Deflection Temperature (°C)	100-106	ASTM D-648 Method A
Tensile Strength (MPa)	80-95	ASTM D-638
Tensile Modulus (Gpa)	3.2-3.7	
Elongation at Break (%)	5.0-6.0	
Flexural Strength (MPa)	120-150	ASTM D-790
Flexural Modulus / GPa	3.3-3.8	ASTM D-790

- Note: 1. Heat Deflection Temperature is tested with maximum stress of 1.8MPa
 2. Curing time: 25°C×24 hour + 120°C×2hour

Transportation and Storage

The transportation shall comply with the chapter V of the Regulations on *Measures for the Administration of Road Transportation Safety of Dangerous Goods*.

Store below 25°C

Avoid direct sunlight, fire and heat.

With the compliance of all above, 9 months shelf life should be granted.

Remark: Different production batches may have slight difference; this table is for reference only. For further questions, please contact the sales representatives.